



FIG. 1A

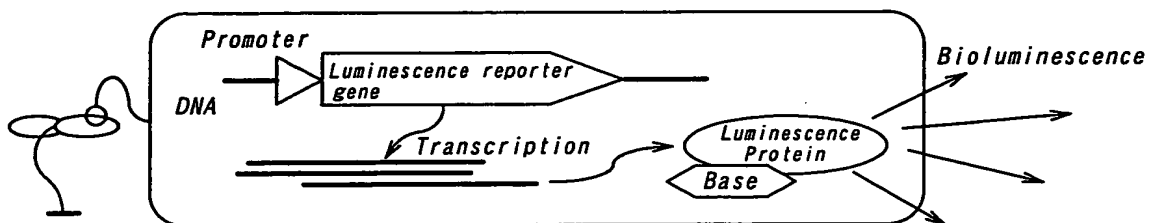


FIG. 1B

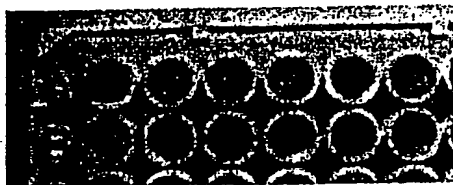
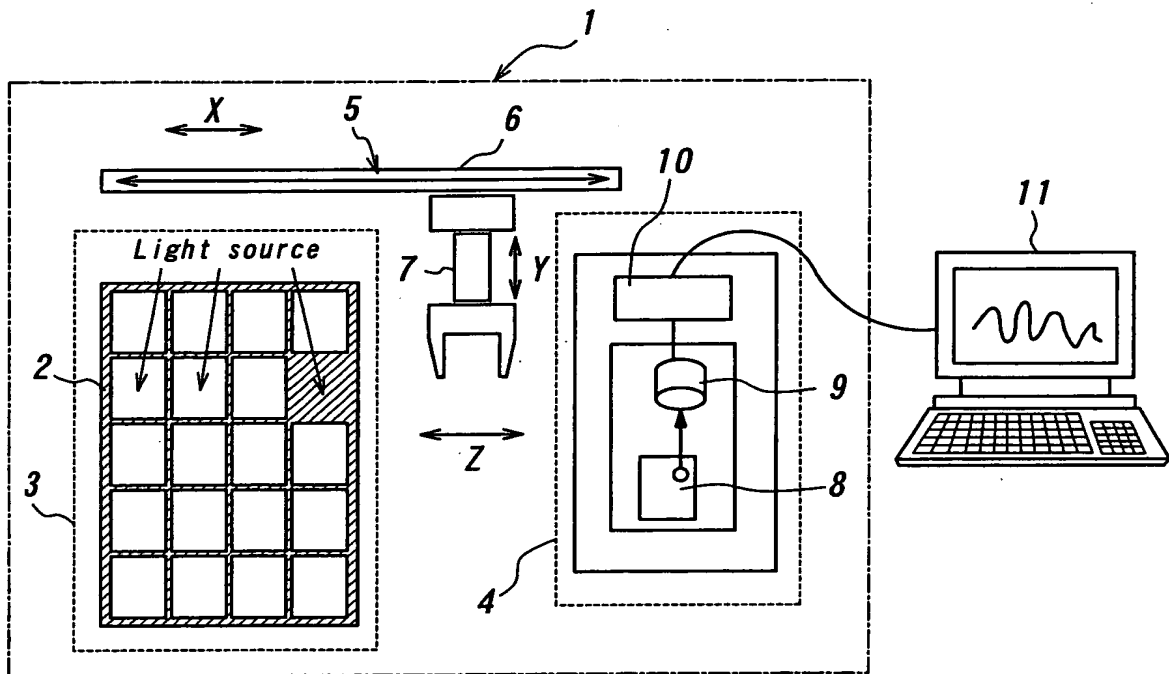
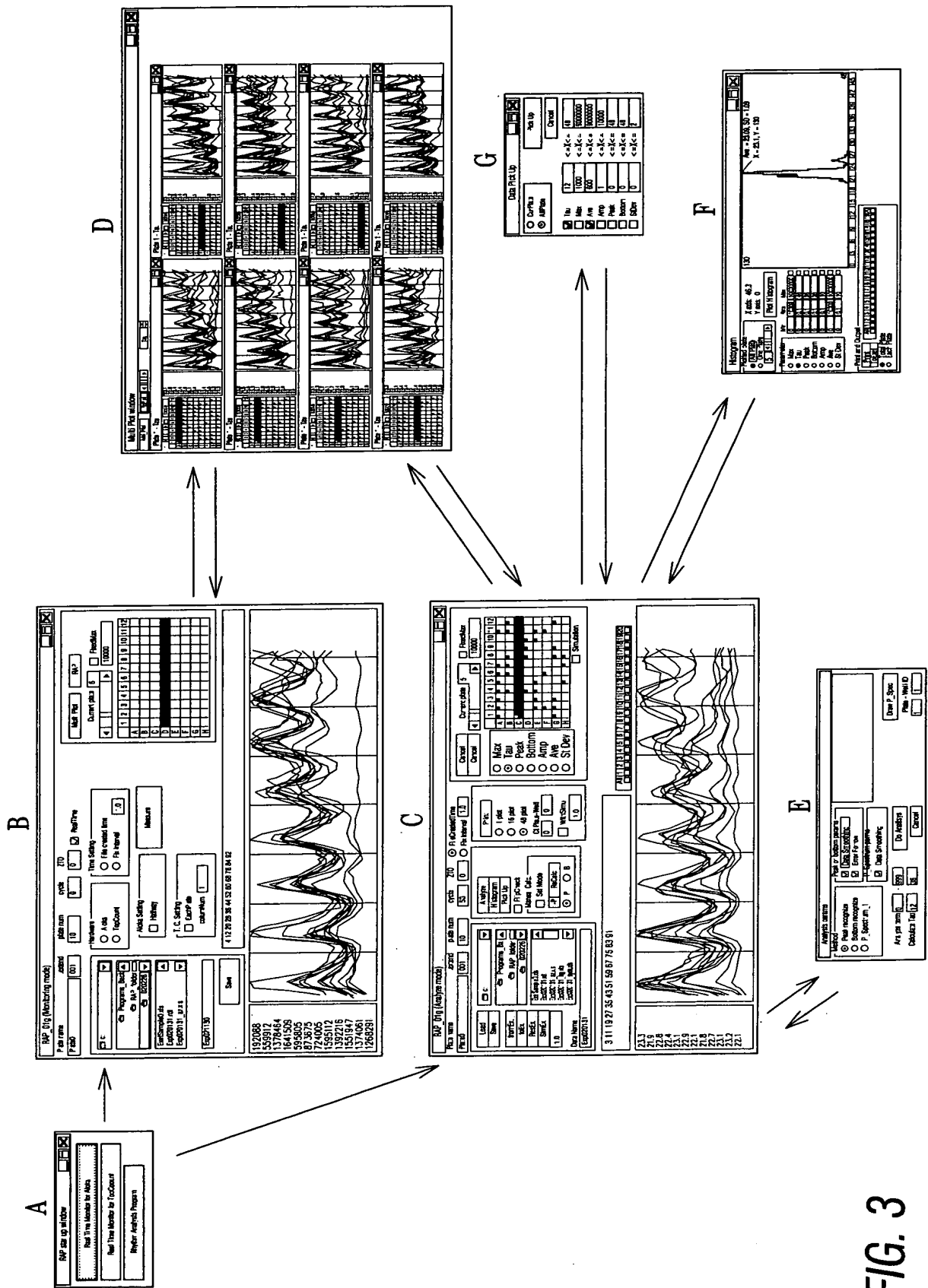


FIG. 2





3A

RAP star up window

Real Time Monitor for Aloka

Real Time Monitor for TopCoount

Rhythm Analysis Program

3G

Data Pick Up

☐ CurPlate
☒ AllPlate

Pick Up

Cancel

<input checked="" type="checkbox"/> Tau	12	<=X<=	48
<input type="checkbox"/> Max	1000	<=X<=	9000000
<input checked="" type="checkbox"/> Ave	600	<=X<=	9000000
<input type="checkbox"/> Amp	1	<=X<=	10000
<input type="checkbox"/> Peak	0	<=X<=	48
<input type="checkbox"/> Bottom	0	<=X<=	48
<input type="checkbox"/> StDev	0	<=X<=	2

3E

Analysis params

Method

☒ Peak recognize
☐ Bottom recognize
☐ P_Spectrum_1

Peak or bottom params

☒ Data Smoothing
☒ Error Forrow

P_Spectrum params

☒ Circadian Only

Analyze term 0 - 999

Calculate Tau 12 36

Do Analysis

Cancel

Draw P_Spec

Plate - Well ID

1 1

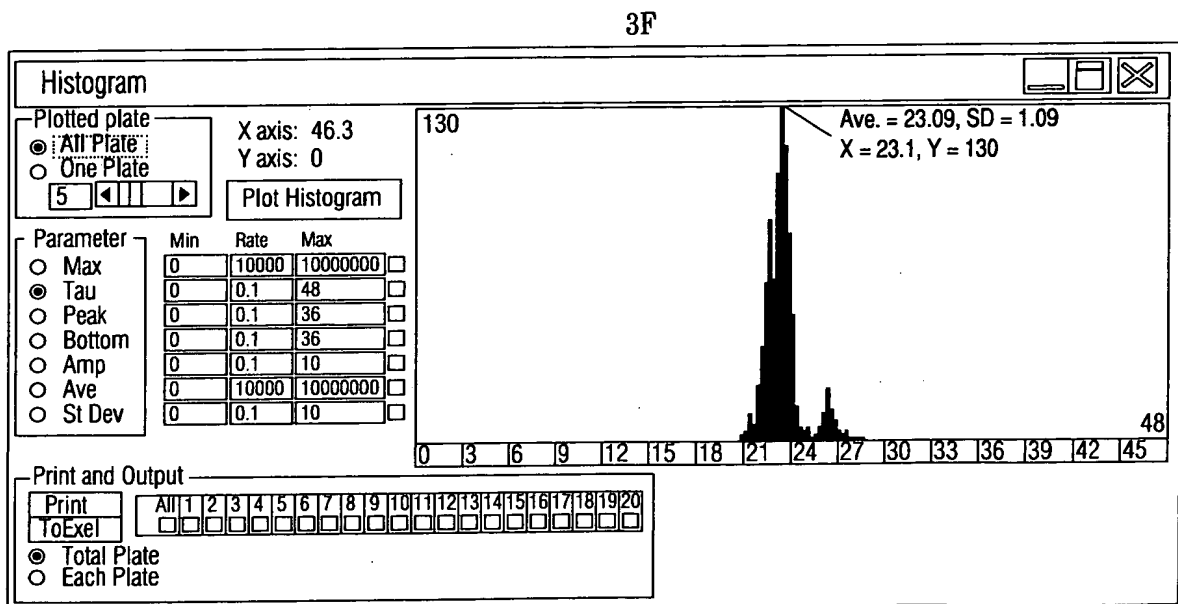


FIG. 4

3B

RAP_01g (Monitoring mode)

Plate name

Plate0

extend

001

plate num

10

cycle

0

ZT0

0

☒ RealTime

Hardware

☒ Aloka

☐ TopCount

Time Setting

☒ File created time

☐ Fix Interval

1.0

Aloka Setting

☐ Halfway

T. C. Setting

☐ EachPlate

columnNum

1

Measure

Exp021130

Save

Programs_Back

RAP_folder

020226

ExpSample0.xls

Exp020131.rdt

Exp020131_az.xls

Multi Plot

RAP

Current plate

5

☐ FixedMax

10000

1	2	3	4	5	6	7	8	9	10	11	12
A											
B											
C											
D											
E											
F											
G											
H											

4

12

28

36

44

52

60

68

76

84

92

192088

559912

1378464

1641509

595805

873675

724005

1595112

1392216

1551947

1374061

1268291

FIG. 5

FIG. 6

3D

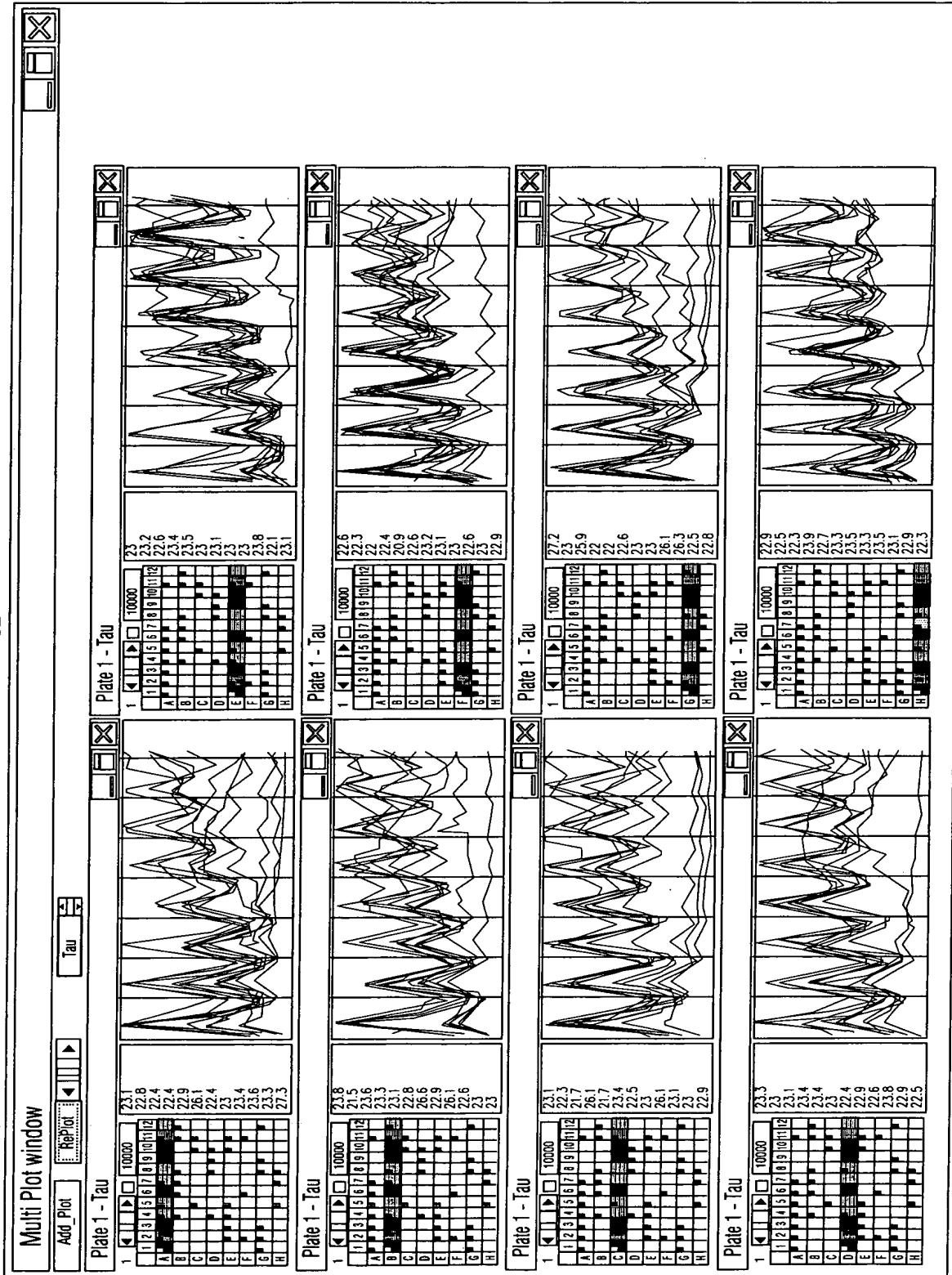


FIG. 7